



1654
18

WST108AUSA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

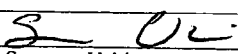
Appln. No. : 10/532,971 Confirmation No.: 4656
Applicant : Caton
Filed : April 27, 2005
TC/A.U. : 1654
Examiner : unassigned
Customer No. : 00270
Title : MOUSE MODEL FOR AUTOIMMUNE DISORDERS

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant submits to the Examiner the attached Form PTO/SB/08A/B document listing and this paper pursuant to 37 CFR § 1.56 and § 1.97-1.98. Form PTO/SB/08A/B is attached and copies of the documents are enclosed herewith. This Information Disclosure Statement is submitted more than three months from the filing date of this, but before the receipt of a first Office Action. Therefore, no fees are believed due.

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to or deposited with the United States Postal Service with sufficient postage in an envelope addressed to Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or Printed Name	Summer Uchin	Date	Aug. 24, 2006

6

REMARKS

Listed below are documents cited in the International Search Report dated November 22, 2004 in the corresponding International Patent Application No. PCT/US03/31519, filed October 27, 2003. A copy of the Report is enclosed, together with copies of the documents.

- (i) RILEY et al., "Graded Deletion and Virus-Induced Activation of Autoreactive CD4+ T Cells", J. Immunol., 265:4870-4876 (November 1, 2000)
- (ii) BOT et al., "Cellular Mechanisms Involved in Protection Against Influenza Virus Infection in Transgenic Mice Expressing a TCR Receptor Specific For Class II Hemagglutinin Peptide in CD4+ and CD8+ Cells", J. Immunol. 160:4500-4507 (May 1, 1998)
- (iii) SHIH et al., "A Major T Cell Determinant from the Influenza Virus Hemagglutinin (HA) can be a Cryptic Self Peptide in HA Transgenic Mice" Int. Immunol., 9(2):249-261 (February, 1997)
- (iv) RILEY et al., "CD4+ Cells that Evade Deletion by a Self Peptide Display Th1-Biased Differentiation", Eur. J. Immunol., 31:311-319 (January, 2001)

The month of publication for documents AAR, AAV, and AAZ could not be determined. The years of publication for these documents are sufficiently earlier than the effective US filing date and/or the foreign priority date of the present application so that the particular month of publication of the documents is not in issue (MPEP 609).

The Examiner is respectfully requested to consider the enclosed documents identified in this paper and in the attached Form PTO/SB/08A/B during the course of examination of this application.

The Director is hereby authorized to charge any deficiency in any fees due with the filing of this paper or during the pendency of this application, or credit any overpayment in any fees to our Deposit Account Number 08-3040.

Respectfully submitted,

HOWSON & HOWSON
Attorneys for Applicants

By Mary E. Bak
Mary E. Bak
Registration No. 31,215
Suite 210
501 Office Center Drive
Fort Washington, PA 19034
Telephone: (215) 540-9200
Telefacsimile: (215) 540-5818

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 6

Application Number 10/532,971

Filing Date April 27, 2005

First Named Inventor Caton

Art Unit 1654

Examiner Name unassigned

Attorney Docket Number WST108AUSA

ENCLOSURES (Check all that apply)

- | | | |
|--|--|--|
| <input type="checkbox"/> Fee Transmittal Form
<input type="checkbox"/> Fee Attached
<input type="checkbox"/> Amendment/Reply
<input type="checkbox"/> After Final
<input type="checkbox"/> Affidavits/declaration(s)
<input type="checkbox"/> Extension of Time Request
<input type="checkbox"/> Express Abandonment Request
<input checked="" type="checkbox"/> Information Disclosure Statement

<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Licensing-related Papers
<input type="checkbox"/> Petition
<input type="checkbox"/> Petition to Convert to a Provisional Application
<input type="checkbox"/> Power of Attorney, Revocation
<input type="checkbox"/> Change of Correspondence Address
<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Request for Refund
<input type="checkbox"/> CD, Number of CD(s) _____
<input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
International Search Report |
|--|--|--|

Remarks

Customer No. 00270

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Howson and Howson		
Signature	<i>Mary E. Bak</i>		
Printed name	Mary E. Bak		
Date	<i>Aug. 24, 2006</i>	Reg. No.	31,215

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	<i>S U</i>		
Typed or printed name	Summer Uchin	Date	<i>Aug. 24, 2006</i>

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Approved for use through 06/30/2006.
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known			
		Application Number	10/532,971		
		Filing Date	April 27, 2005		
		First Named Inventor	Caton		
		Art Unit	1654		
		Examiner Name	unassigned		
Sheet	1	of	2	Attorney Docket Number	WST108AUSA

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/AW/	AR	RILEY et al., "Graded Deletion and Virus-Induced Activation of Autoreactive CD4+ T Cells", J. Immunol., 265:4870-4876 (November 1, 2000)	
	AS	BOT et al., "Cellular Mechanisms Involved in Protection Against Influenza Virus Infection in Transgenic Mice Expressing a TCR Receptor Specific For Class II Hemagglutinin Peptide in CD4+ and CD8+ Cells", J. Immunol. 160:4500-4507 (May 1, 1998)	
	AT	SHIH et al., "A Major T Cell Determinant from the Influenza Virus Hemagglutinin (HA) can be a Cryptic Self Peptide in HA Transgenic Mice" Int. Immunol., 9(2):249-261 (February, 1997)	
	AU	RILEY et al., "CD4+ Cells that Evade Deletion by a Self Peptide Display Th1-Biased Differentiation", Eur. J. Immunol., 31:311-319 (January, 2001)	
	AV	HEATH et al., "Expression of Two T Cell Receptor α -Chains on the Surface of Normal Murine T Cells" Eur. J. Immunol., 25:1617-1623 (June, 1995)	
	AW	HOLMDAHL et al., "Type II Collagen Autoimmunity in Animals and Provocations Leading to Arthritis" Immunol. Rev., 118:193-232 (December, 1990)	
	AX	JORDAN et al., "Anergy and Suppression Regulate CD4+ T Cell Responses to a Self Peptide" Eur. J. Immunol., 30:136-144 (January, 2000)	
	AY	KEFFER et al., "Transgenic Mice Expressing Human Tumour Necrosis Factor: A Predictive Genetic Model of Arthritis" EMBO J., 10(13):4025-4031 (December, 1991)	
	AZ	KOUSKOFF et al., "A Vector Driving the Expression of Foreign cDNAs in the MHC Class II-Positive Cells of Positive Mice" J. Immunol. Methods 166:287-291 (December 3, 1993)	
	AAR	LIPSKY, "Rheumatoid Arthritis" in Harrison's Principles of Internal Medicine, Fauci et al., Eds., McGraw-Hill Publishers New York, NY: pp. 1880-1888 (1998)	
	AAS	MARRACK et al., "Autoimmune Disease: Why and Where it Occurs" Nat. Med., 7(8): 899-905 (August, 2001)	
	AAT	MATSUMOTO et al., "Arthritis Provoked by Linked T and B Cell Recognition of a Glycolytic Enzyme" Science, 286: 1732-1735 (November 26, 1999)	
	AAU	MCCUSKER et al., "HLA-D Region Antigens in Patients with Rheumatoid Arthritis" Arth. Rheumatism, 34(2): 192-197 (February, 1991)	
	AAV	NEPOM, "Major Histocompatibility Complex-Directed Susceptibility to Rheumatoid Arthritis" Adv. Immunol., 68:315-332 (1998)	

Examiner Signature	Date Considered
--------------------	-----------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE FORMS TO THIS ADDRESS.
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-919 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 06/30/2006.
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/532,971
		Filing Date	April 27, 2005
		First Named Inventor	Caton
		Art Unit	1654
		Examiner Name	unassigned
Sheet 2 of 2	Attorney Docket Number	WST108AUSA	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/AW/	AAW	PADOVAN et al., "Expression of Two T Cell Receptor α Chains: Dual Receptor T Cells" Science, 162:422-424 (October 15, 1993)	
	AAX	ROBEY et al., "Selective Events in T Cell Development" Ann. Rev., 12:675-705 (1994)	
	AAY	TANEJA et al., "HLA Class II Transgenic Mice as Models of Human Diseases" Immunol. Rev., 169:67-79 (June, 1999)	
	AAZ	MCDEVITT et al., "The Role of MHC Class II Molecules in Susceptibility and Resistance to Autoimmunity" Curr. Opin Immunol., 10:677-681 (December, 1998)	
	BR	NOGUEIRA et al., "Performance of Two ELISAs for Antifilaggrin Autoantibodies, Using Either Affinity Purified or Deiminated Recombinant Human Filaggrin, in the Diagnosis of Rheumatoid Arthritis" Ann. Rheum. Dis., 60:882-887 (September, 2001)	
	BS	SCHALLER et al., "Autoantibodies to CPI in Rheumatoid Arthritis: Linkage Between an Animal Model and Human Disease" Nat. Immunol., 2:746-753 (August, 2001)	

Examiner Signature	/Anne Marie Wehbe/ (05/20/2008)	Date Considered	05/20/2008
--------------------	---------------------------------	-----------------	------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETE FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-919 and select option 2.